

ABSTRACT OF THE DISCLOSURE

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An apparatus for facilitating optimization  
5 processing in a compiler includes a language-specific-  
rule table which stores one or more predetermined rules  
which are specified for one or more programming  
languages; an analyzing unit which analyzes a program  
code which includes one or more instructions, and is  
10 described in one of the one or more programming  
languages, based on the one or more predetermined rules,  
to obtain an analysis result; and an embedding unit  
which embeds the analysis result in the program code.